

AMENDMENTS TO THE CLAIMS In response to the Office Action dated March 23, 2004, in 10/089,142 please amend Claims 1 and 12:

1 Amended. A method of forming a continuous composite structure including the steps of preselecting a first liquid reactive resin forming material, a particulate solid additive material and a porous blanket, mixing said additive particles with said first liquid resin forming material substantially continuously to form a substantially uniform mixture thereof, encapsulating substantially all of said additive particles with said first liquid resin forming material, advancing said porous blanket through said liquid resin/additive mixture, migrating part of said mixture through said blanket substantially uniformly to form a continuous resin matrix within said blanket [with] and to form adhesive outer surfaces on said blanket, [applying a thin coating of a preselected substantially immediately curing resin forming material over a final base substrate surface, advancing said coated matrix/blanket into a final configuration on said coated base surface, applying pressure to said coated matrix/blanket to tightly affix said coated matrix/blanket to said coated base surface and form a water impervious structure thereon.] preselecting a second resin forming material which substantially cures immediately upon application, applying a thin coating of said second resin forming material over substantially one major adhesive upper surface of said matrix/blanket to form a coated matrix/blanket while allowing an area of said adhesive surface to remain exposed along one edge of said upper surface thereof, positioning a first preselected length of said coated matrix/blanket into a preselected final configuration while it is flexible and has an adhesive lower surface and an exposed adhesive area along one edge of said upper surface thereof, positioning a second preselected length of said coated matrix/blanket in an overlapping orientation with said exposed adhesive area of said first positioned length of said coated matrix/blanket, tightly affixing said adhesive lower surface of said second length to said exposed adhesive area of said first length, and successively positioning and tightly affixing together a plurality of additional lengths of said coated matrix/blanket in overlapping

orientation to form a substantially continuous composite structure with high strength and exceptional durability.

12 Twice Amended. [Mobile] A system including a mobile
5 continuous structure forming apparatus including a supporting
portion, a material supplying portion, a mixing portion, a matrix
forming portion and a control portion; said supporting portion
including a plurality of spaced upstanding frame members, a
10 plurality of generally horizontally disposed frame members joining
adjacent upper and lower ends of said upstanding frame members;
said material supplying portion including a plurality of
reservoirs including a first liquid reactive resin forming
material and a particulate solid additive material, said
15 reservoirs operatively connected with said supporting portion,
said reservoirs being connected independently with said mixing
portion; said mixing portion including an elongated mixing chamber
adjustably disposed adjacent said supporting portion to mix said
additive particles with said first liquid resin forming material
20 substantially continuously and form a substantially uniform
mixture thereof while encapsulating substantially all of said
additive particles with said first liquid resin forming material;
said matrix forming portion including first mixture distributing
means extending adjustably downwardly from said mixing chamber and
25 being disposed adjacent an outlet thereof to advance a porous
blanket through said liquid resin/additive mixture and migrate
part of said mixture through said blanket substantially uniformly
and form a continuous resin matrix within said blanket [with] and
form adhesive outer surfaces on said blanket, second mixture
30 distributing means disposed adjacent said first mixture
distributing means for applying a thin coating of a preselected
substantially immediately curing resin forming material over a
final substrate surface, positioning means disposed adjacent said
second mixture distributing means for placement of a structure in
35 a preselected final configuration and advance a coated
matrix/blanket into a final configuration on said coated [base]
substrate surface, said positioning means including a cantilevered
extendable arm assembly pivotally connected with said supporting
portion, elongated structure grasping means disposed on said arm

assembly, submersible guide means and mixture distributing means disposed adjacent a free end of said arm assembly, pressure applying means disposed adjacent said positioning means applying pressure to said matrix/blanket to tightly affix said coated matrix/blanket to said coated [base] substrate surface; said control portion including programmable memory means, coordinating means, sensing means, actuating means, and circuitry transmitting signals from said sensing means to said coordinating means for comparison with said memory means and activation of said actuating means to form and place a continuous structure into a preselected final configuration while it is flexible and adhesive and form a water impervious structure thereon.

Cancel without prejudice Claim 20.